

PTO/SB/21 (6-98)
Approved for use through 09/30/2000. OMB 0651-0031
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	Application Number	10/045,814
TRANSMITTAL	Filing Date	January 15, 2002
FORM	First Named Inventor	Joseph M. Fukumoto
(to be used for all correspondence after initial filing	Group Art Unit	2879
	Examiner Name	Unknown
Total Number of Pages in This Submission (Including Transmittal Forms)	Attorney Docket Number	PD-01W023

Total Number of Pages in This Submission (Including Transmittal Forms)		Attorney Docket Number	PD-01W023				
ENCLOSURES (check all that apply)							
Response to Missing Parts/ Incomplete Application Response to Missing	Assignment of the following of the follo	nent Papers Application) (s) ng-related Papers Routing Slip (PTO/SB/69) companying Petition to Convert to a nal Application of Attorney, Revocation, or of Correspondence	After Allowance Communication to Group Appeal Communication to Board of Appeals and Interferences Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) Proprietary Information Status Letter Additional Enclosure(s) (please identify below):				
Parts under 37 CFR 1.52 or 1.53							
SIGNATURE	OF APPLI	CANT, ATTORNEY, OR A	GENT				
Signature	r, Regis	tration No. 43,649					
I hereby certify that this correspondence is be envelope addressed to: Assistant Commission	eing deposit	ed with the United States Posents, Washington, D.C. 20231	stal Service as first class mail in an on this date: October 7, 2003				

Typed or printed name Joseph W. Stone 2003 Date Signature

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PTO/SB/17 (10-03)

October 7, 2003

Date

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for FY 2004 Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27 (\$) 180.00 TOTAL AMOUNT OF PAYMENT

Signature

Complete if Known					
Application Number	10/045,814				
Filing Date	January 15, 2002				
First Named Inventor	Joseph M. Fukumoto				
Examiner Name	Unknown				
Art Unit	2879				
Attorney Docket No.	PD-01W023				

METHOD OF PAYMENT (check all that apply) FEE CALCULATION (conti						
Check Credit card Money Other None	3. AI	DITIO	ONAL	FEE	S	
Order	Large E	ntity	Small	Entity		
Deposit Account:	Fee Code		Fee F Code	Fee (\$)	Fee Description	Fee Paid
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Number Deposit DAXTUEON COMPANY	1052	50	2052		Surcharge - late provisional filing fee or	
Account Name RAYTHEON COMPANY					cover sheet	
The Director is authorized to: (check all that apply)	1053	130	1053		Non-English specification For filing a request for ex parte reexamination	
Charge fee(s) indicated below Credit any overpayments	1812				Requesting publication of SIR prior to	······
Charge any additional fee(s) or any underpayment of fee(s)	1804	920*	1804	920	Examiner action	
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.	1805	1,840*	1805 1	1,840*	Requesting publication of SIR after Examiner action	
	1251	110	2251	55	Extension for reply within first month	
FEE CALCULATION	1252	420	2252	210	Extension for reply within second month	
1. BASIC FILING FEE Large Entity Small Entity	1253	950	2253	475	Extension for reply within third month	
Fee Fee Fee Fee Description Fee Paid	1254	1,480	2254	740	Extension for reply within fourth month	
Code (\$) Code (\$) 1001 770 2001 385 Utility filing fee	1255	2,010	2255	1,005	Extension for reply within fifth month	
1007 770 2001 303 Ctility lilling fee	1401	330	2401	165	Notice of Appeal	
1003 530 2003 265 Plant filing fee	1402	330	2402	165	Filing a brief in support of an appeal	
1004 770 2004 385 Reissue filing fee	1403	290	2403	145	Request for oral hearing	
1005 160 2005 80 Provisional filing fee	1451	1,510	1451	1,510	Petition to institute a public use proceeding	
SUBTOTAL (1) (\$)	1452	110	2452	55	Petition to revive - unavoidable	
	1453	1,330	2453	665	Petition to revive - unintentional	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1501	1,330	2501	665	Utility issue fee (or reissue)	
Extra Claims below Fee Paid	1502	480	2502	240	Design issue fee	
Total Claims20** = X =	1503	640	2503		Plant issue fee	
Claims - 3** = X = X Multiple Dependent	1460	130	1460		Petitions to the Commissioner	
	1807	50	1807		Processing fee under 37 CFR 1.17(q)	100.00
Large Entity Small Entity Fee Fee Fee Fee Fee Description	1806	180	1806		Submission of Information Disclosure Stmt	180.00
Code (\$) Code (\$)	8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1202 18 2202 9 Claims in excess of 20	1809	770	2809	385	Filing a submission after final rejection	
1201 86 2201 43 Independent claims in excess of 3	:				(37 CFR 1.129(a))	
1203 290 2203 145 Multiple dependent claim, if not paid	1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
1204 86 2204 43 ** Reissue independent claims over original patent	1801	770	2801	385	· · · · · · · · · · · · · · · · · · ·	
1205 18 2205 9 ** Reissue claims in excess of 20	1802	900	1802	900		
and over original patent	Other	fee (sp	ecify)		or a design application	
SUBTOTAL (2) (\$)				iling F	ee Paid SUBTOTAL (3) (\$) 180.0	00
**or number previously paid, if greater; For Reissues, see above						
SUBMITTED BY) n o i = 4 = -	tion No	~	(Complete (if applicable))	
Name (Print/Type) John E. Gunther		tegistra Attomev/	tion No. (Agent)	43,	649 Telephone 310-647-3723	

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

OTP E VCTES
OUT 1 TRADEMARTS
In re

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Date: October 7, 2003

JOSEPH M. FUKUMOTO

Art Unit: 2879

Serial No.: 10/045,814 Filed: January 15, 2002

j

Title: RUBIDIUM TITANYL ARSENATE-

Examiner:

SILVER GALLIUM SELENIDE

TANDEM OPTICAL PARAMETRIC

OSCILLATOR

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents Post Office Box 1450 Alexandria, VA 22313

Dear Sir:

The references cited on the enclosed form PTO/SB/08A (copy of references enclosed) may be material to the examination of the above-identified patent application and are, therefore, submitted in compliance with the duty of disclosure defined in 37CFR 1.56.

This Information Disclosure Statement is not to be construed as a representation that a search has recently been made, or that additional information constitutes prior art.

I hereby certified that each item in the Search Report was cited by a foreign patent office, in a counterpart foreign application, not more than three (3) months prior to the filing of this Statement.

Respectfully submitted,

10/17/2003 EAREGAY1 00000075 500616 10045814

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180.00 DA

Raytheon Company
Bldg. E4, Mail Station N119
P.O. Box 902

El Segundo, CA 90245

John E. Gunther

Registration No. 43,649

(310) 647-3723

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first-class mail in an envelope addressed to: Commissioner for Patents, Alexandria, VA 22313, on October 7, 2003.

John E. Gunther

PTO/SB/08A (04-03)

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Substitute for form 1449/PTO

Sheet 1

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

of |2

Complete if Known					
Application Number	10/045,814				
Filing Date	January 15, 2002				
First Named Inventor	Joseph M. Fukumoto				
Art Unit	2879				
Examiner Name	Unknown				
Attorney Docket Number	PD-01W023				

			U. S. PATEN	T DOCUMENTS		
Examiner Initials*	tials* No.1		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
	 	Number-Kind Code ^{2 (If known)}			3	
_		^{US-} 6-215-800	04-10-2001	Komine Hiroshi		
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		FORE	IGN PATENT DOCL	JMENTS		•
	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)			Or Relevant Figures Appear	T°
		WO 01-82420-A	11-01-2001	Raytheon Co.		
		WO 01-50555-A	07-12-2001	Raytheon Co.		
						L

Examiner	Date	
Signature	Considered	

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PTO/SB/08B (04-03)

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Substit	the for form 1449/PTO				C mpl t if Known	
DEMAR	of the form 1449/PTO			Applicati n Number	10/045,814	
			CLOSURE	Filing Dat	January 15, 2002	
STA	ATEMENT E	BY A	PPLICANT	First Named Inventor	Joseph M. Fukumoto	
	(Use as many she	ote se n	oooccand	Art Unit	2879	
	(Ose as many sne	re (3 d3 //	iecessary)	Examiner Name	Unknown	
Sheet	2	of	2	Attorney Docket Number	PD-01W023	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		CHANDRA, S. ET AL.: "Continuously Tunable, 6-14 Mum Silver-Gallium Selenide Optical Parametric Oscillator Pumped at 1.57 Mum", Applied Physics Letters, American Institute of Physics, NY, US, Vol. 71, no. 5, 4 August 1997, pgs. 584-586, XP000699619.	
		MOORE, G. T. ET AL.: A Simultaneously Phase-Matched Tandem Optical Parametric Oscillator" IEEE Journal of Quantum Electronics, IEEE, Vol. 34, No. 5, 1 May 1998, pgs. 803-810, XP000751982.	
Examiner Signature		Date Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.